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Technical HL7 Conformance Profile

# **ENTERPRISE IMAGING OUTBOUND ORU\_R01 - FORMATTED TEXT**

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## Message Profile

### Conformance parameters

#### Message Profile

- HL7 Version: 2.4
- Profile Type: HL7
- Topics: confsig-Agfa Healthcare-2.4-profile-accNE\_accAL-Deferred

#### Encoding Method

ER7



## Interaction 1

### Dynamic Definition

- Accept Acknowledgement: NE
- Application Acknowledgement: AL
- Acknowledgement Mode: Deferred

### Static Definition

- Message Type: ORU
- Trigger Event: R01
- Message Structure: ORU\_R01
- Topics: confsig-Agfa Healthcare-2.4-static-ORU-R01-null-ORU\_R01-V1.0-DRAFT-Sender

### Message structure

MSH { [ PID [ PV1 ] ] { [ ORC ] OBR [ NTE ] [ ZDS ] { [ DG1 ] } } { Segment that repeats for every report and addenda OBX } } }

### MSH - Message Header

- Usage: Required
- Cardinality:1..1

| Seq. | Name                  | Opt. | Card. | Type   | Table   | Contents                 |
|------|-----------------------|------|-------|--------|---------|--------------------------|
| 1    | Field Separator       | R    | 1..1  | ST     |         |                          |
| 2    | Encoding Characters   | R    | 1..1  | ST     |         |                          |
| 3    | Sending Application   | R    | 1..1  | HD     | HL70361 |                          |
| 3.1  | namespace ID          | R    | 1..1  | IS     | HL70363 |                          |
| 4    | Sending Facility      | R    | 1..1  | HD     | HL70362 |                          |
| 4.1  | namespace ID          | R    | 1..1  | IS     | HL70363 |                          |
| 5    | Receiving Application | R    | 1..1  | HD     | HL70361 |                          |
| 5.1  | namespace ID          | R    | 1..1  | IS     | HL70363 |                          |
| 6    | Receiving Facility    | R    | 1..1  | HD     | HL70362 |                          |
| 6.1  | namespace ID          | R    | 1..1  | IS     | HL70363 |                          |
| 7    | Date/Time Of Message  | R    | 1..1  | TS     |         |                          |
| 7.1  | Date/Time             | R    | 1..1  | NM     |         | e.g. 20040328134602+0600 |
| 9    | Message Type          | R    | 1..1  | CM_MSG | HL70076 |                          |
| 9.1  | message type          | R    | 1..1  | ID     | HL70076 |                          |
| 9.2  | trigger event         | R    | 1..1  | ID     | HL70003 |                          |
| 9.3  | message structure     | O    | 0..   | ID     | HL70354 |                          |
| 10   | Message Control ID    | R    | 1..1  | ST     |         |                          |
| 11   | Processing ID         | R    | 1..1  | PT     |         |                          |
| 11.1 | processing ID         | R    | 1..1  | ID     | HL70103 |                          |
| 12   | Version ID            | R    | 1..1  | VID    | HL70104 |                          |
| 12.1 | version ID            | R    | 1..1  | ID     | HL70104 |                          |



## 1. Field Separator

## 2. Encoding Characters

## 3. Sending Application

### 3.1. namespace ID

AGFA\_PACS

## 4. Sending Facility

### 4.1. namespace ID

AGFA

## 5. Receiving Application

### 5.1. namespace ID

Application defined in External device to which the message is being send.

## 6. Receiving Facility

### 6.1. namespace ID

Facility defined in External device to which the message is being send.

## 7. Date/Time Of Message

### 7.1. Date/Time

If EI is configured to send timezone information, datetime format

YYYYMMDD[HHHMM[SS]][+-ZZZZ] is used otherwise YYYYMMDD[HHHMM [SS]] is used

## 9. Message Type

### 9.1. message type

ORU

### 9.2. trigger event

R01

### 9.3. message structure

ORU\_R01

## 10. Message Control ID

## 11. Processing ID

## 12. Version ID

### 12.1. version ID

HL7 version 2.4 will be generated



## **Segment group: PATIENT RESULT**

- Usage: Required
- Cardinality:1..\*

## **Segment group: PATIENT**

- Usage: Optional
- Cardinality:0..1

## **PID - Patient identification**

- Usage: Required
- Cardinality:1..1

| Seq.   | Name                                               | Opt. | Card. | Type | Table   | Contents      |
|--------|----------------------------------------------------|------|-------|------|---------|---------------|
| 3      | Patient Identifier List                            | R    | 1..*  | CX   |         |               |
| 3.1    | ID                                                 | R    | 1..1  | ST   |         |               |
| 3.4    | assigning authority                                | R    | 1..1  | HD   |         |               |
| 3.4.1  | namespace ID                                       | R    | 1..1  | IS   | HL70363 |               |
| 3.5    | identifier type code (ID)                          | R    | 1..1  | ID   | HL70203 |               |
| 5      | Patient Name                                       | R    | 1..*  | XPN  |         |               |
| 5.1    | family name                                        | R    | 1..1  | FN   |         |               |
| 5.1.1  | surname                                            | R    | 1..1  | ST   |         |               |
| 5.1.2  | own surname prefix                                 | O    | 0..   | ST   |         |               |
| 5.2    | given name                                         | R    | 1..1  | ST   |         |               |
| 5.3    | second and further given names or initials thereof | O    | 0..   | ST   |         |               |
| 5.4    | suffix (e.g., JR or III)                           | O    | 0..   | ST   |         |               |
| 5.5    | prefix (e.g., DR)                                  | O    | 0..   | ST   |         |               |
| 5.7    | name type code                                     | O    | 0..   | ID   | HL70200 |               |
| 5.8    | Name Representation code                           | O    | 0..   | ID   | HL70465 |               |
| 5.11   | name assembly order                                | O    | 0..   | ID   | HL70444 |               |
| 7      | Date/Time Of Birth                                 | O    | 0..1  | TS   |         |               |
| 7.1    | Date/Time                                          | R    | 1..1  | NM   |         | e.g. 20040328 |
| 8      | Administrative Sex                                 | R    | 1..1  | IS   | HL70001 |               |
| 11     | Patient Address                                    | O    | 0..*  | XAD  |         |               |
| 11.1   | street address (SAD)                               | O    | 0..   | SAD  |         |               |
| 11.1.1 | street or mailing address                          | O    | 0..   | ST   |         |               |
| 11.1.2 | street name                                        | O    | 0..   | ST   |         |               |
| 11.1.3 | dwelling number                                    | O    | 0..   | ST   |         |               |
| 11.2   | other designation                                  | O    | 0..   | ST   |         |               |
| 11.3   | city                                               | O    | 0..   | ST   |         |               |
| 11.4   | state or province                                  | O    | 0..   | ST   |         |               |



| Seq.   | Name                                  | Opt. | Card. | Type | Table   | Contents                      |
|--------|---------------------------------------|------|-------|------|---------|-------------------------------|
| 11.5   | zip or postal code                    | O    | 0..   | ST   |         |                               |
| 11.6   | country                               | O    | 0..   | ID   |         |                               |
| 11.7   | address type                          | O    | 0..   | ID   | HL70190 |                               |
| 11.8   | other geographic designation          | O    | 0..   | ST   |         |                               |
| 11.9   | county/parish code                    | O    | 0..   | IS   |         |                               |
| 13     | Phone Number - Home                   | O    | 0..*  | XTN  |         |                               |
| 13.1   | Telephone Number                      | C    | 0..   | TN   |         |                               |
| 13.2   | telecommunication use code            | R    | 1..1  | ID   | HL70201 |                               |
| 13.3   | telecommunication equipment type (ID) | R    | 1..1  | ID   | HL70202 |                               |
| 13.4   | Email address                         | O    | 0..   | ST   |         |                               |
| 14     | Phone Number - Business               | O    | 0..*  | XTN  |         |                               |
| 14.1   | Telephone Number                      | C    | 0..   | TN   |         |                               |
| 14.2   | telecommunication use code            | R    | 1..1  | ID   | HL70201 |                               |
| 14.3   | telecommunication equipment type (ID) | R    | 1..1  | ID   | HL70202 |                               |
| 14.4   | Email address                         | O    | 0..   | ST   |         |                               |
| 18     | Patient Account Number                | O    | 0..1  | CX   |         |                               |
| 18.1   | ID                                    | R    | 1..1  | ST   |         |                               |
| 18.4   | assigning authority                   | O    | 0..   | HD   |         |                               |
| 18.4.1 | namespace ID                          | R    | 1..1  | IS   | HL70363 |                               |
| 18.5   | identifier type code (ID)             | R    | 1..1  | ID   | HL70203 |                               |
| 19     | SSN Number - Patient                  | O    | 0..1  | ST   |         |                               |
| 23     | Birth Place                           | O    | 0..1  | ST   |         |                               |
| 29     | Patient Death Date and Time           | O    | 0..1  | TS   |         |                               |
| 29.1   | Date/Time                             | O    | 0..   | NM   |         | e.g. 20040328134602.1234+0600 |
| 30     | Patient Death Indicator               | O    | 0..1  | ID   | HL70136 |                               |

### 3. Patient Identifier List

#### 3.1. ID

Identification code for the patient.

#### 3.4.1. namespace ID

assigning authority that issued the patient id.

#### 3.5. identifier type code (ID)

Values used:

- PI = Patient Identifier,
- SS = Social Security number



## 5. Patient Name

### 5.1.1. surname

Patient's surname.

### 5.2. given name

Patient's given name.

### 5.3. second and further given names or initials thereof

Patient's middle name.

### 5.4. suffix (e.g., JR or III)

Patient's name suffix.

### 5.5. prefix (e.g., DR)

Patient's name prefix

### 5.7. name type code

Values used:

- Empty when fields specify patient name.
- M when fiels specify patient maiden name

### 5.8. Name Representation code

Values used:

- A = Alphabetic name specified
- I = Ideographic name specified
- P = Phonetic name specified

## 7. Date/Time Of Birth

### 7.1. Date/Time

YYYYMMDD

## 8. Administrative Sex

Values used:

- M = Male
- F = Female
- U = Unknown

## 11. Patient Address

### 11.1.2. street name

Name of the street

### 11.1.3. dwelling number

House number



### **11.2. other designation**

Other designation (eg First floor)

### **11.3. city**

Municipality code of the city.

If no city specified in patient's address in the db, UKW (Unknown) will be used

### **11.4. state or province**

Is always the highest region level, but there can be a lower subdividing region level for a state or province.

### **11.6. country**

A 3-digit code defining the county.

### **11.7. address type**

Values used:

- O (office)
- H (home address)

## **13. Phone Number - Home**

### **13.1. Telephone Number**

In case of telephone number/fax number/cellular number, the phone number is put in this field

### **13.2. telecommunication use code**

Values used:

- PRN = Primary Residence Number
- WPN = Work Number
- NET = Network (email) Address

### **13.3. telecommunication equipment type (ID)**

Values used:

- PH = Telephone
- FX = Fax
- CP = Cellular Phone
- Internet = Internet Address

### **13.4. Email address**

In case of Network Email Address, this field will hold the value.

## **14. Phone Number - Business**

### **14.1. Telephone Number**

In case of telephone number/fax number/cellular number, the phone number is put in this field

### **14.2. telecommunication use code**

Values used:

- PRN = Primary Residence Number



- WPN = Work Number
- NET = Network (email) Address

#### **14.3. telecommunication equipment type (ID)**

Values used:

- PH = Telephone
- FX = Fax
- CP = Cellular Phone
- Internet = Internet Address

#### **14.4. Email address**

In case of Network Email Address, this field will hold the value.

#### **18. Patient Account Number**

##### **18.1. ID**

Account number of the patient.

##### **18.4.1. namespace ID**

Assigning authority that issued the account number.

##### **18.5. identifier type code (ID)**

AN

#### **19. SSN Number - Patient**

Social security number of the patient.

#### **23. Birth Place**

#### **29. Patient Death Date and Time**

##### **29.1. Date/Time**

YYYYMMDD[HHMM[SS[.SSSS]]][+- ZZZZ]

#### **30. Patient Death Indicator**

Values used:

- 1 patient deceased
- 0 patient not deceased

### **Segment group: VISIT**

- Usage: Optional
- Cardinality:0..1



## PV1 - Patient visit

- Usage: Required
- Cardinality:1..1

| Seq.  | Name                                               | Opt. | Card. | Type | Table   | Contents |
|-------|----------------------------------------------------|------|-------|------|---------|----------|
| 1     | Set ID - PV1                                       | O    | 0..1  | SI   |         |          |
| 2     | Patient Class                                      | R    | 1..1  | IS   | HL70004 |          |
| 3     | Assigned Patient Location                          | O    | 0..1  | PL   |         |          |
| 3.1   | point of care                                      | O    | 0..   | IS   | HL70302 |          |
| 3.2   | room                                               | O    | 0..   | IS   | HL70303 |          |
| 3.3   | bed                                                | O    | 0..   | IS   | HL70304 |          |
| 3.4   | facility (HD)                                      | O    | 0..   | HD   |         |          |
| 3.4.1 | namespace ID                                       | O    | 0..   | IS   | HL70363 |          |
| 4     | Admission Type                                     | O    | 0..1  | IS   | HL70007 |          |
| 7     | Attending Doctor                                   | O    | 0..*  | XCN  | HL70010 |          |
| 7.1   | ID number (ST)                                     | O    | 0..   | ST   |         |          |
| 7.2   | family name                                        | O    | 0..   | FN   |         |          |
| 7.2.1 | surname                                            | O    | 0..   | ST   |         |          |
| 7.2.2 | own surname prefix                                 | O    | 0..   | ST   |         |          |
| 7.2.3 | own surname                                        | O    | 0..   | ST   |         |          |
| 7.2.4 | surname prefix from partner/spouse                 | O    | 0..   | ST   |         |          |
| 7.2.5 | surname from partner/spouse                        | O    | 0..   | ST   |         |          |
| 7.3   | given name                                         | O    | 0..   | ST   |         |          |
| 7.4   | second and further given names or initials thereof | O    | 0..   | ST   |         |          |
| 7.5   | suffix (e.g., JR or III)                           | O    | 0..   | ST   |         |          |
| 7.6   | prefix (e.g., DR)                                  | O    | 0..   | ST   |         |          |
| 7.9   | assigning authority                                | O    | 0..   | HD   |         |          |
| 7.9.1 | namespace ID                                       | O    | 0..   | IS   | HL70363 |          |
| 7.9.2 | universal ID                                       | O    | 0..   | ST   |         |          |
| 7.9.3 | universal ID type                                  | O    | 0..   | ID   | HL70301 |          |
| 8     | Referring Doctor                                   | O    | 0..*  | XCN  | HL70010 |          |
| 8.1   | ID number (ST)                                     | O    | 0..   | ST   |         |          |
| 8.2   | family name                                        | O    | 0..   | FN   |         |          |
| 8.2.1 | surname                                            | O    | 0..   | ST   |         |          |
| 8.2.2 | own surname prefix                                 | O    | 0..   | ST   |         |          |
| 8.2.3 | own surname                                        | O    | 0..   | ST   |         |          |
| 8.2.4 | surname prefix from partner/spouse                 | O    | 0..   | ST   |         |          |
| 8.2.5 | surname from partner/spouse                        | O    | 0..   | ST   |         |          |
| 8.3   | given name                                         | O    | 0..   | ST   |         |          |



| Seq.   | Name                                               | Opt. | Card. | Type | Table   | Contents |
|--------|----------------------------------------------------|------|-------|------|---------|----------|
| 8.4    | second and further given names or initials thereof | O    | 0..   | ST   |         |          |
| 8.5    | suffix (e.g., JR or III)                           | O    | 0..   | ST   |         |          |
| 8.6    | prefix (e.g., DR)                                  | O    | 0..   | ST   |         |          |
| 8.9    | assigning authority                                | O    | 0..   | HD   |         |          |
| 8.9.1  | namespace ID                                       | O    | 0..   | IS   | HL70363 |          |
| 8.9.2  | universal ID                                       | O    | 0..   | ST   |         |          |
| 8.9.3  | universal ID type                                  | O    | 0..   | ID   | HL70301 |          |
| 10     | Hospital Service                                   | O    | 0..1  | IS   | HL70069 |          |
| 11     | Temporary Location                                 | O    | 0..1  | PL   |         |          |
| 11.1   | point of care                                      | O    | 0..   | IS   | HL70302 |          |
| 11.2   | room                                               | O    | 0..   | IS   | HL70303 |          |
| 11.3   | bed                                                | O    | 0..   | IS   | HL70304 |          |
| 11.4   | facility (HD)                                      | O    | 0..   | HD   |         |          |
| 11.4.1 | namespace ID                                       | O    | 0..   | IS   | HL70363 |          |
| 14     | Admit Source                                       | O    | 0..1  | IS   | HL70023 |          |
| 15     | Ambulatory Status                                  | O    | 0..*  | IS   | HL70009 |          |
| 16     | VIP Indicator                                      | O    | 0..1  | IS   | HL70099 |          |
| 17     | Admitting Doctor                                   | O    | 0..*  | XCN  | HL70010 |          |
| 17.1   | ID number (ST)                                     | O    | 0..   | ST   |         |          |
| 17.2   | family name                                        | O    | 0..   | FN   |         |          |
| 17.2.1 | surname                                            | O    | 0..   | ST   |         |          |
| 17.2.2 | own surname prefix                                 | O    | 0..   | ST   |         |          |
| 17.2.3 | own surname                                        | O    | 0..   | ST   |         |          |
| 17.2.4 | surname prefix from partner/spouse                 | O    | 0..   | ST   |         |          |
| 17.2.5 | surname from partner/spouse                        | O    | 0..   | ST   |         |          |
| 17.3   | given name                                         | O    | 0..   | ST   |         |          |
| 17.4   | second and further given names or initials thereof | O    | 0..   | ST   |         |          |
| 17.5   | suffix (e.g., JR or III)                           | O    | 0..   | ST   |         |          |
| 17.6   | prefix (e.g., DR)                                  | O    | 0..   | ST   |         |          |
| 17.9   | assigning authority                                | O    | 0..   | HD   |         |          |
| 17.9.1 | namespace ID                                       | O    | 0..   | IS   | HL70363 |          |
| 17.9.2 | universal ID                                       | O    | 0..   | ST   |         |          |
| 17.9.3 | universal ID type                                  | O    | 0..   | ID   | HL70301 |          |
| 18     | Patient Type                                       | O    | 0..1  | IS   | HL70018 |          |
| 19     | Visit Number                                       | R    | 1..1  | CX   |         |          |
| 19.1   | ID                                                 | R    | 1..1  | ST   |         |          |



| Seq.   | Name                | Opt. | Card. | Type | Table   | Contents                      |
|--------|---------------------|------|-------|------|---------|-------------------------------|
| 19.4   | assigning authority | O    | 0..   | HD   |         |                               |
| 19.4.1 | namespace ID        | O    | 0..   | IS   | HL70363 |                               |
| 19.4.2 | universal ID        | O    | 0..   | ST   |         |                               |
| 19.4.3 | universal ID type   | O    | 0..   | ID   | HL70301 |                               |
| 44     | Admit Date/Time     | O    | 0..1  | TS   |         |                               |
| 44.1   | Date/Time           | O    | 0..   | NM   |         | e.g. 20040328134602.1234+0600 |
| 45     | Discharge Date/Time | O    | 0..*  | TS   |         |                               |
| 45.1   | Date/Time           | O    | 0..   | NM   |         | e.g. 20040328134602.1234+0600 |

### 1. Set ID - PV1

### 2. Patient Class

### 3. Assigned Patient Location

### 4. Admission Type

### 7. Attending Doctor

### 8. Referring Doctor

### 10. Hospital Service

### 11. Temporary Location

### 14. Admit Source

### 15. Ambulatory Status

### 16. VIP Indicator

### 17. Admitting Doctor

### 18. Patient Type

#### 44.1. Date/Time

YYYYMMDD[HHMM[SS[.SSSS]]][+-ZZZZ]

#### 45. Discharge Date/Time

##### 45.1. Date/Time

YYYYMMDD[HHMM[SS[.SSSS]]][+-ZZZZ]

**End of segment group VISIT**

**End of segment group PATIENT**



## Segment group: ORDER OBSERVATION

- Usage: Required
- Cardinality:1..\*

### ORC

- Usage: Optional
- Cardinality:0..1

| Seq.   | Name                                               | Opt. | Card. | Type | Table   | Contents            |
|--------|----------------------------------------------------|------|-------|------|---------|---------------------|
| 1      | Order Control                                      | R    | 1..1  | ID   | HL70119 |                     |
| 2      | Placer Order Number                                | R    | 1..1  | EI   |         |                     |
| 2.1    | entity identifier                                  | R    | 1..1  | ST   |         |                     |
| 2.2    | namespace ID                                       | O    | 0..   | IS   | HL70363 |                     |
| 3      | Filler Order Number                                | R    | 1..1  | EI   |         |                     |
| 3.1    | entity identifier                                  | R    | 1..1  | ST   |         |                     |
| 3.2    | namespace ID                                       | O    | 0..   | IS   | HL70363 |                     |
| 5      | Order Status                                       | O    | 0..1  | ID   | HL70038 |                     |
| 7      | Quantity/Timing                                    | O    | 0..*  | TQ   |         |                     |
| 7.4    | start date/time                                    | O    | 0..   | TS   |         |                     |
| 7.4.1  | Date/Time                                          | R    | 1..1  | NM   |         | e.g. 20040328134602 |
| 7.5    | end date/time                                      | O    | 0..   | TS   |         |                     |
| 7.5.1  | Date/Time                                          | R    | 1..1  | NM   |         | e.g. 20040328134602 |
| 7.6    | priority                                           | O    | 0..   | ST   |         |                     |
| 10     | Entered By                                         | O    | 0..1  | XCN  |         |                     |
| 10.1   | ID number (ST)                                     | O    | 0..   | ST   |         |                     |
| 10.2   | family name                                        | O    | 0..   | FN   |         |                     |
| 10.2.1 | surname                                            | O    | 0..   | ST   |         |                     |
| 10.2.2 | own surname prefix                                 | O    | 0..   | ST   |         |                     |
| 10.2.3 | own surname                                        | O    | 0..   | ST   |         |                     |
| 10.2.4 | surname prefix from partner/spouse                 | O    | 0..   | ST   |         |                     |
| 10.2.5 | surname from partner/spouse                        | O    | 0..   | ST   |         |                     |
| 10.3   | given name                                         | O    | 0..   | ST   |         |                     |
| 10.4   | second and further given names or initials thereof | O    | 0..   | ST   |         |                     |
| 10.5   | suffix (e.g., JR or III)                           | O    | 0..   | ST   |         |                     |
| 10.6   | prefix (e.g., DR)                                  | O    | 0..   | ST   |         |                     |
| 10.7   | degree (e.g., MD)                                  | O    | 0..   | IS   | HL70360 |                     |
| 10.8   | source table                                       | O    | 0..   | IS   | HL70297 |                     |
| 10.9   | assigning authority                                | O    | 0..   | HD   |         |                     |
| 10.9.1 | namespace ID                                       | O    | 0..   | IS   | HL70363 |                     |



| Seq.    | Name                                             | Opt. | Card. | Type | Table   | Contents |
|---------|--------------------------------------------------|------|-------|------|---------|----------|
| 10.9.2  | universal ID                                     | O    | 0..   | ST   |         |          |
| 10.9.3  | universal ID type                                | O    | 0..   | ID   | HL70301 |          |
| 10.10   | name type code                                   | O    | 0..   | ID   | HL70200 |          |
| 10.11   | identifier check digit                           | O    | 0..   | ST   |         |          |
| 10.12   | code identifying the check digit scheme employed | O    | 0..   | ID   | HL70061 |          |
| 10.13   | identifier type code (IS)                        | O    | 0..   | IS   |         |          |
| 10.14   | assigning facility                               | O    | 0..   | HD   |         |          |
| 10.14.1 | namespace ID                                     | O    | 0..   | IS   | HL70363 |          |
| 10.14.2 | universal ID                                     | O    | 0..   | ST   |         |          |
| 10.14.3 | universal ID type                                | O    | 0..   | ID   | HL70301 |          |
| 10.15   | Name Representation code                         | O    | 0..   | ID   | HL70465 |          |
| 10.16   | name context                                     | O    | 0..   | CE   | HL70448 |          |
| 10.16.1 | identifier                                       | O    | 0..   | ST   |         |          |
| 10.16.2 | text                                             | O    | 0..   | ST   |         |          |
| 10.16.3 | name of coding system                            | O    | 0..   | IS   | HL70396 |          |
| 10.16.4 | alternate identifier                             | O    | 0..   | ST   |         |          |
| 10.16.5 | alternate text                                   | O    | 0..   | ST   |         |          |
| 10.16.6 | name of alternate coding system                  | O    | 0..   | IS   | HL70396 |          |
| 10.17   | name validity range                              | O    | 0..   | DR   |         |          |
| 10.17.1 | range start date/time                            | O    | 0..   | TS   |         |          |
| 10.17.2 | range end date/time                              | O    | 0..   | TS   |         |          |
| 10.18   | name assembly order                              | O    | 0..   | ID   | HL70444 |          |
| 12      | Ordering Provider                                | O    | 0..1  | XCN  |         |          |
| 12.1    | ID number (ST)                                   | C    | 0..   | ST   |         |          |
| 12.2    | family name                                      | O    | 0..   | FN   |         |          |
| 12.2.1  | surname                                          | O    | 0..   | ST   |         |          |
| 12.3    | given name                                       | O    | 0..   | ST   |         |          |
| 17      | Entering Organization                            | O    | 0..1  | CE   |         |          |
| 17.1    | identifier                                       | R    | 1..1  | ST   |         |          |
| 17.2    | text                                             | O    | 0..   | ST   |         |          |
| 17.3    | name of coding system                            | O    | 0..   | IS   | HL70396 |          |
| 21      | Ordering Facility Name                           | O    | 0..*  | XON  |         |          |
| 21.1    | organization name                                | O    | 0..   | ST   |         |          |
| 21.2    | organization name type code                      | O    | 0..   | IS   | HL70204 |          |
| 21.3    | ID number (NM)                                   | R    | 1..1  | NM   |         |          |
| 21.4    | check digit                                      | O    | 0..   | NM   |         |          |



| Seq.   | Name                                             | Opt. | Card. | Type | Table   | Contents |
|--------|--------------------------------------------------|------|-------|------|---------|----------|
| 21.5   | code identifying the check digit scheme employed | O    | 0..   | ID   | HL70061 |          |
| 21.6   | assigning authority                              | O    | 0..   | HD   |         |          |
| 21.6.1 | namespace ID                                     | R    | 1..1  | IS   | HL70363 |          |
| 21.7   | identifier type code (IS)                        | O    | 0..   | IS   |         |          |
| 21.8   | assigning facility ID                            | O    | 0..   | HD   | HL70300 |          |
| 21.8.1 | namespace ID                                     | O    | 0..   | IS   | HL70363 |          |
| 21.8.2 | universal ID                                     | O    | 0..   | ST   |         |          |
| 21.8.3 | universal ID type                                | O    | 0..   | ID   | HL70301 |          |
| 21.9   | Name Representation code                         | O    | 0..   | ID   | HL70465 |          |

### 1. Order Control

Fixed value: SC (Status changed)

### 2. Placer Order Number

### 3. Filler Order Number

#### 3.2. namespace ID

If empty, the default assigning authority will be taken.

### 5. Order Status

Supported: IP (In Progress), CM (Completed), DC (Discontinued), CA (Cancelled), SC (Scheduled)

### 7. Quantity/Timing

Identical to the Quantity/Timing in OBR-Segment

#### 7.4. start date/time

Requested procedure scheduled study date/time and the scheduled procedure step start date/time.

##### 7.4.1. Date/Time

If EI is configured to send timezone information, datetime format

YYYYMMDD[HHMM[SS]][+-ZZZZ] is used otherwise YYYYMMDD[HHMM [SS]] is used

##### 7.5.1. Date/Time

If EI is configured to send timezone information, datetime format

YYYYMMDD[HHMM[SS]][+-ZZZZ] is used otherwise YYYYMMDD[HHMM [SS]] is used

#### 7.6. priority

1) For existing sites (migration)

STAT priority code: S

Urgent priority codes: A

High Priority codes: A

Normal Priority codes: R

Low priority Code: PRN



2) For new installations  
STAT priority code: S  
Urgent priority codes: A  
High Priority code: C  
Normal Priority codes: P  
Routine Priority Code: R  
These values are configurable

## 10. Entered By

## 12. Ordering Provider

### 12.1. ID number (ST)

the default identifier of the ordering provider

## 17. Entering Organization

### 17.2. text

If empty, the identifier will be taken as name.

### 17.3. name of coding system

If empty, the default requesting department will be taken

## 21. Ordering Facility Name

### 21.1. organization name

If empty, the identifier of the requesting facility will be taken as name.

### 21.6. assigning authority

If empty, the default assigning authority will be taken.

## OBR

- Usage: Required
- Cardinality:1..1

| Seq. | Name                | Opt. | Card. | Type | Table   | Contents |
|------|---------------------|------|-------|------|---------|----------|
| 1    | Set ID - OBR        | R    | 1..1  | SI   |         |          |
| 2    | Placer Order Number | R    | 1..1  | EI   |         |          |
| 2.1  | entity identifier   | R    | 1..1  | ST   |         |          |
| 2.2  | namespace ID        | O    | 0..   | IS   | HL70363 |          |
| 2.3  | universal ID        | O    | 0..   | ST   |         |          |
| 2.4  | universal ID type   | O    | 0..   | ID   | HL70301 |          |
| 3    | Filler Order Number | R    | 1..1  | EI   |         |          |
| 3.1  | entity identifier   | R    | 1..1  | ST   |         |          |
| 3.2  | namespace ID        | O    | 0..   | IS   | HL70363 |          |
| 3.3  | universal ID        | O    | 0..   | ST   |         |          |



| Seq.   | Name                                  | Opt. | Card. | Type  | Table   | Contents                      |
|--------|---------------------------------------|------|-------|-------|---------|-------------------------------|
| 3.4    | universal ID type                     | O    | 0..   | ID    | HL70301 |                               |
| 4      | Universal Service Identifier          | R    | 1..1  | CE    |         |                               |
| 4.1    | identifier                            | R    | 1..1  | ST    |         |                               |
| 4.2    | text                                  | O    | 0..   | ST    |         |                               |
| 4.3    | name of coding system                 | O    | 0..   | IS    | HL70396 |                               |
| 4.4    | alternate identifier                  | R    | 1..1  | ST    |         |                               |
| 4.5    | alternate text                        | O    | 0..   | ST    |         |                               |
| 4.6    | name of alternate coding system       | O    | 0..   | IS    | HL70396 |                               |
| 5      | Priority                              | O    | 0..1  | ID    |         |                               |
| 6      | Requested Date/Time                   | O    | 0..1  | TS    |         |                               |
| 6.1    | Date/Time                             | O    | 0..   | NM    |         | e.g. 20040328134602+0600      |
| 7      | Observation Date/Time #               | O    | 0..1  | TS    |         |                               |
| 7.1    | Date/Time                             | R    | 1..1  | NM    |         | e.g. 20040328134602           |
| 13     | Relevant Clinical Info.               | O    | 0..1  | ST    |         |                               |
| 16     | Ordering Provider                     | O    | 0..1  | XCN   |         |                               |
| 16.1   | ID number (ST)                        | O    | 0..   | ST    |         |                               |
| 16.2   | family name                           | O    | 0..   | FN    |         |                               |
| 16.2.1 | surname                               | O    | 0..   | ST    |         |                               |
| 16.3   | given name                            | O    | 0..   | ST    |         |                               |
| 18     | Placer Field 1                        | R    | 1..1  | ST    |         |                               |
| 19     | Placer Field 2                        | R    | 1..1  | ST    |         |                               |
| 20     | Filler Field 1 +                      | R    | 1..1  | ST    |         |                               |
| 22     | Results Rpt/Status Chng - Date/Time + | O    | 0..1  | TS    |         |                               |
| 22.1   | Date/Time                             | R    | 1..1  | NM    |         | e.g. 20040328134602.1234+0600 |
| 24     | Diagnostic Serv Sect ID               | O    | 0..1  | ID    | HL70074 |                               |
| 25     | Result Status +                       | R    | 1..1  | ID    | HL70123 |                               |
| 27     | Quantity/Timing                       | O    | 0..*  | TQ    |         |                               |
| 27.1   | quantity                              | O    | 0..   | CQ    |         |                               |
| 27.1.1 | quantity                              | O    | 0..   | NM    |         |                               |
| 27.1.2 | units                                 | O    | 0..   | CE    |         |                               |
| 27.2   | interval                              | O    | 0..   | CM_RI |         |                               |
| 27.2.1 | repeat pattern                        | O    | 0..   | IS    | HL70335 |                               |
| 27.2.2 | explicit time interval                | O    | 0..   | ST    |         |                               |
| 27.3   | duration                              | O    | 0..   | ST    |         |                               |
| 27.4   | start date/time                       | O    | 0..   | TS    |         |                               |
| 27.4.1 | Date/Time                             | R    | 1..1  | NM    |         | e.g. 20040328134602           |
| 27.5   | end date/time                         | O    | 0..   | TS    |         |                               |



| Seq.     | Name                                   | Opt. | Card. | Type   | Table   | Contents            |
|----------|----------------------------------------|------|-------|--------|---------|---------------------|
| 27.5.1   | Date/Time                              | R    | 1..1  | NM     |         | e.g. 20040328134602 |
| 27.6     | priority                               | O    | 0..   | ST     |         |                     |
| 27.7     | condition                              | O    | 0..   | ST     |         |                     |
| 27.8     | text (TX)                              | O    | 0..   | TX     |         |                     |
| 27.9     | conjunction component                  | O    | 0..   | ID     | HL70472 |                     |
| 27.10    | order sequencing                       | O    | 0..   | CM_OSD |         |                     |
| 27.10.1  | sequence/results flag                  | O    | 0..   | ID     |         |                     |
| 27.10.2  | placer order number: entity identifier | O    | 0..   | ST     |         |                     |
| 27.10.3  | placer order number: namespace ID      | O    | 0..   | IS     |         |                     |
| 27.10.4  | filler order number: entity identifier | O    | 0..   | ST     |         |                     |
| 27.10.5  | filler order number: namespace ID      | O    | 0..   | IS     |         |                     |
| 27.10.6  | sequence condition value               | O    | 0..   | ID     |         |                     |
| 27.10.7  | maximum number of repeats              | O    | 0..   | NM     |         |                     |
| 27.10.8  | placer order number: universal ID      | O    | 0..   | ST     |         |                     |
| 27.10.9  | placer order number; universal ID type | O    | 0..   | ID     |         |                     |
| 27.10.10 | filler order number: universal ID      | O    | 0..   | ST     |         |                     |
| 27.10.11 | filler order number: universal ID type | O    | 0..   | ID     |         |                     |
| 27.11    | occurrence duration                    | O    | 0..   | CE     |         |                     |
| 27.11.1  | identifier                             | O    | 0..   | ST     |         |                     |
| 27.11.2  | text                                   | O    | 0..   | ST     |         |                     |
| 27.11.3  | name of coding system                  | O    | 0..   | IS     | HL70396 |                     |
| 27.11.4  | alternate identifier                   | O    | 0..   | ST     |         |                     |
| 27.11.5  | alternate text                         | O    | 0..   | ST     |         |                     |
| 27.11.6  | name of alternate coding system        | O    | 0..   | IS     | HL70396 |                     |
| 27.12    | total occurrences                      | O    | 0..   | NM     |         |                     |
| 31       | Reason for Study                       | O    | 0..2  | CE     |         |                     |
| 31.1     | identifier                             | O    | 0..   | ST     |         |                     |
| 31.2     | text                                   | O    | 0..   | ST     |         |                     |
| 31.3     | name of coding system                  | O    | 0..   | IS     | HL70396 |                     |
| 31.4     | alternate identifier                   | O    | 0..   | ST     |         |                     |
| 31.5     | alternate text                         | O    | 0..   | ST     |         |                     |
| 31.6     | name of alternate coding system        | O    | 0..   | IS     | HL70396 |                     |
| 32       | Principal Result Interpreter +         | O    | 0..1  | CM_NDL |         |                     |
| 32.1     | name                                   | O    | 0..   | CN     |         |                     |
| 32.1.1   | ID number (ST)                         | O    | 0..   | ST     |         |                     |
| 32.1.2   | family name                            | O    | 0..   | FN     |         |                     |
| 32.1.3   | given name                             | O    | 0..   | ST     |         |                     |



| Seq.   | Name                                               | Opt. | Card. | Type   | Table   | Contents |
|--------|----------------------------------------------------|------|-------|--------|---------|----------|
| 32.1.4 | second and further given names or initials thereof | B    | ..    | ST     |         |          |
| 32.1.9 | assigning authority                                | O    | 0..   | HD     |         |          |
| 33     | Assistant Result Interpreter +                     | O    | 0..*  | CM_NDL |         |          |
| 33.1   | name                                               | O    | 0..   | CN     |         |          |
| 33.1.1 | ID number (ST)                                     | O    | 0..   | ST     |         |          |
| 33.1.2 | family name                                        | O    | 0..   | FN     |         |          |
| 33.1.3 | given name                                         | O    | 0..   | ST     |         |          |
| 33.1.9 | assigning authority                                | O    | 0..   | HD     |         |          |
| 33.10  | building                                           | B    | ..    | IS     | HL70307 |          |
| 35     | Transcriptionist +                                 | O    | 0..1  | CM_NDL |         |          |
| 35.1   | name                                               | O    | 0..   | CN     |         |          |
| 35.1.1 | ID number (ST)                                     | O    | 0..   | ST     |         |          |
| 35.1.2 | family name                                        | O    | 0..   | FN     |         |          |
| 35.1.3 | given name                                         | O    | 0..   | ST     |         |          |
| 35.1.9 | assigning authority                                | O    | 0..   | HD     |         |          |
| 47     | Filler Supplemental Service Information            | O    | 0..1  | CE     | HL70411 |          |

## 1. Set ID - OBR

## 2. Placer Order Number

Identical to ORC-2

## 3. Filler Order Number

Identical to ORC-3

## 4. Universal Service Identifier

## 5. Priority

High priority code: A (ASAP)

Medium Priority Code: R (Routine)

Low priority Code: PRN (As needed)

## 6. Requested Date/Time

### 6.1. Date/Time

If EI is configured to send timezone information, datetime format

YYYYMMDD[HHHMM[SS]][+/-ZZZZ] is used otherwise YYYYMMDD[HHHMM [SS]] is used

## 7. Observation Date/Time #

Specifies Observation date/time modified and is not related to report date and time. It is

- the PPS date/time modified when images are available.

- the request date/time modified in other cases

Date/time the report version is being distributed is found in OBR.22.



Date/time the report version is created is found in OBX.14.

#### 7.1. Date/Time

If EI is configured to send timezone information, datetime format

YYYYMMDD[HHMM[SS]][+-ZZZZ] is used otherwise YYYYMMDD[HHMM [SS]] is used

#### 13. Relevant Clinical Info.

#### 16. Ordering Provider

same as ORC-12

#### 16.1. ID number (ST)

the default identifier of the ordering provider

#### 18. Placer Field 1

#### 19. Placer Field 2

#### 20. Filler Field 1 +

#### 22. Results Rpt/Status Chng - Date/Time +

Date/time the report version is being distributed. For dictated report, date/time of the modification to the latest dictation.

#### 22.1. Date/Time

If EI is configured to send timezone information, datetime format

YYYYMMDD[HHMM[SS]][+-ZZZZ] is used otherwise YYYYMMDD[HHMM [SS]] is used

#### 24. Diagnostic Serv Sect ID

#### 25. Result Status +

Supported: F (final), P (Preliminary), C (Correction), D (Deleted), I (Dictated), S (Partially validated)

#### 27. Quantity/Timing

Identical to ORC-7

#### 27.4.1. Date/Time

If EI is configured to send timezone information , datetime format

YYYYMMDD[HHMM[SS]][+-ZZZZ] is used otherwise YYYYMMDD[HHMM [SS]] is used

#### 27.5.1. Date/Time

If EI is configured to send timezone information, datetime format

YYYYMMDD[HHMM[SS]][+-ZZZZ] is used otherwise YYYYMMDD[HHMM [SS]] is used

#### 27.6. priority

1) For existing sites (migration)

STAT priority code: S

Urgent priority codes: A

High Priority codes: A



Normal Priority codes: R  
Low priority Code: PRN  
2) For new installations  
STAT priority code: S  
Urgent priority codes: A  
High Priority code: C  
Normal Priority codes: P  
Routine Priority Code: R  
These values are configurable

### 31. Reason for Study

### 32. Principal Result Interpreter +

The segment contains:

- the validator when the report is final
- the author when the report is preliminary
- the latest partial approver when the report is partially validated

#### 32.1.1. ID number (ST)

The default identifier of the principal result interpreter

### 33. Assistant Result Interpreter +

This segment contains:

- every contributor when preliminary report
- the author (when different from validator) and every contributor when final report and partially validated report

#### 33.1.1. ID number (ST)

the default identifier of the assistant result interpreter

### 35. Transcriptionist +

#### 35.1.1. ID number (ST)

the default identifier of the transcriptionist

### 47. Filler Supplemental Service Information

## NTE - Notes and Comments

- Usage: Optional
- Cardinality:0..1

| Seq. | Name              | Opt. | Card. | Type | Table   | Contents |
|------|-------------------|------|-------|------|---------|----------|
| 1    | Set ID - NTE      | O    | 0..1  | SI   |         |          |
| 2    | Source of Comment | O    | 0..1  | ID   | HL70105 |          |
| 3    | Comment           | O    | 0..*  | FT   |         |          |
| 4    | Comment Type      | O    | 0..1  | CE   | HL70364 |          |
| 4.2  | text              | O    | 0..   | ST   |         |          |



| Seq. | Name                            | Opt. | Card. | Type | Table   | Contents |
|------|---------------------------------|------|-------|------|---------|----------|
| 4.3  | name of coding system           | O    | 0..   | IS   | HL70396 |          |
| 4.4  | alternate identifier            | O    | 0..   | ST   |         |          |
| 4.5  | alternate text                  | O    | 0..   | ST   |         |          |
| 4.6  | name of alternate coding system | O    | 0..   | IS   | HL70396 |          |

#### 1. Set ID - NTE

#### 2. Source of Comment

#### 3. Comment

#### 4. Comment Type

### ZDS

- Usage: Optional

- Cardinality:0..1

| Seq. | Name              | Opt. | Card. | Type | Table | Contents         |
|------|-------------------|------|-------|------|-------|------------------|
| 1    | Reference Pointer | R    | 1..1  | ST   |       |                  |
| 2    | Application ID    | O    | 0..1  | ST   |       | e.g. AGILITY     |
| 3    | Type of Data      | O    | 0..1  | ST   |       | e.g. Application |
| 4    | Subtype           | O    | 0..1  | ST   |       | e.g. DICOM       |

#### 1. Reference Pointer

the EI Study instance UID

#### 2. Application ID

fixed value == AGILITY

#### 3. Type of Data

fixed value == Application

#### 4. Subtype

fixed value == DICOM

### DG1 - Diagnosis

- Usage: Optional

- Cardinality:0..\*

| Seq. | Name                    | Opt. | Card. | Type | Table   | Contents |
|------|-------------------------|------|-------|------|---------|----------|
| 1    | Set ID - DG1            | R    | 1..1  | SI   |         |          |
| 2    | Diagnosis Coding Method | O    | 0..1  | ID   | HL70053 |          |
| 3    | Diagnosis Code - DG1    | R    | 1..1  | CE   | HL70051 |          |
| 3.1  | identifier              | R    | 1..1  | ST   |         |          |
| 3.2  | text                    | R    | 1..1  | ST   |         |          |



| Seq.   | Name                            | Opt. | Card. | Type | Table   | Contents            |
|--------|---------------------------------|------|-------|------|---------|---------------------|
| 3.3    | name of coding system           | R    | 1..1  | IS   | HL70396 |                     |
| 3.4    | alternate identifier            | R    | 1..1  | ST   |         |                     |
| 3.5    | alternate text                  | O    | 0..   | ST   |         |                     |
| 3.6    | name of alternate coding system | O    | 0..   | IS   | HL70396 |                     |
| 4      | Diagnosis Description           | B    | 0..*  | ST   |         |                     |
| 5      | Diagnosis Date/Time             | R    | 1..1  | TS   |         |                     |
| 5.1    | Date/Time                       | R    | 1..1  | NM   |         | e.g. 20040328134602 |
| 6      | Diagnosis Type                  | R    | 1..1  | IS   | HL70052 |                     |
| 7      | Major Diagnostic Category       | B    | 0..*  | CE   | HL70118 |                     |
| 7.1    | identifier                      | O    | 0..   | ST   |         |                     |
| 7.2    | text                            | O    | 0..   | ST   |         |                     |
| 7.3    | name of coding system           | O    | 0..   | IS   | HL70396 |                     |
| 7.4    | alternate identifier            | O    | 0..   | ST   |         |                     |
| 7.5    | alternate text                  | O    | 0..   | ST   |         |                     |
| 7.6    | name of alternate coding system | O    | 0..   | IS   | HL70396 |                     |
| 8      | Diagnostic Related Group        | B    | 0..*  | CE   | HL70055 |                     |
| 8.1    | identifier                      | O    | 0..   | ST   |         |                     |
| 8.2    | text                            | O    | 0..   | ST   |         |                     |
| 8.3    | name of coding system           | O    | 0..   | IS   | HL70396 |                     |
| 8.4    | alternate identifier            | O    | 0..   | ST   |         |                     |
| 8.5    | alternate text                  | O    | 0..   | ST   |         |                     |
| 8.6    | name of alternate coding system | O    | 0..   | IS   | HL70396 |                     |
| 9      | DRG Approval Indicator          | B    | 0..*  | ID   | HL70136 |                     |
| 10     | DRG Grouper Review Code         | B    | 0..*  | IS   | HL70056 |                     |
| 11     | Outlier Type                    | B    | 0..*  | CE   | HL70083 |                     |
| 11.1   | identifier                      | O    | 0..   | ST   |         |                     |
| 11.2   | text                            | O    | 0..   | ST   |         |                     |
| 11.3   | name of coding system           | O    | 0..   | IS   | HL70396 |                     |
| 11.4   | alternate identifier            | O    | 0..   | ST   |         |                     |
| 11.5   | alternate text                  | O    | 0..   | ST   |         |                     |
| 11.6   | name of alternate coding system | O    | 0..   | IS   | HL70396 |                     |
| 12     | Outlier Days                    | B    | 0..*  | NM   |         |                     |
| 13     | Outlier Cost                    | B    | 0..*  | CP   |         |                     |
| 13.1   | price                           | O    | 0..   | MO   |         |                     |
| 13.1.1 | quantity                        | O    | 0..   | NM   |         |                     |
| 13.1.2 | denomination                    | O    | 0..   | ID   |         |                     |
| 13.2   | price type                      | O    | 0..   | ID   | HL70205 |                     |



| Seq.    | Name                                               | Opt. | Card. | Type | Table   | Contents |
|---------|----------------------------------------------------|------|-------|------|---------|----------|
| 13.3    | from value                                         | O    | 0..   | NM   |         |          |
| 13.4    | to value                                           | O    | 0..   | NM   |         |          |
| 13.5    | range units                                        | O    | 0..   | CE   |         |          |
| 13.5.1  | identifier                                         | O    | 0..   | ST   |         |          |
| 13.5.2  | text                                               | O    | 0..   | ST   |         |          |
| 13.5.3  | name of coding system                              | O    | 0..   | IS   | HL70396 |          |
| 13.5.4  | alternate identifier                               | O    | 0..   | ST   |         |          |
| 13.5.5  | alternate text                                     | O    | 0..   | ST   |         |          |
| 13.5.6  | name of alternate coding system                    | O    | 0..   | IS   | HL70396 |          |
| 13.6    | range type                                         | O    | 0..   | ID   | HL70298 |          |
| 14      | Grouper Version And Type                           | B    | 0..*  | ST   |         |          |
| 15      | Diagnosis Priority                                 | O    | 0..1  | ID   | HL70359 |          |
| 16      | Diagnosing Clinician                               | O    | 0..*  | XCN  |         |          |
| 16.1    | ID number (ST)                                     | O    | 0..   | ST   |         |          |
| 16.2    | family name                                        | O    | 0..   | FN   |         |          |
| 16.2.1  | surname                                            | O    | 0..   | ST   |         |          |
| 16.2.2  | own surname prefix                                 | O    | 0..   | ST   |         |          |
| 16.2.3  | own surname                                        | O    | 0..   | ST   |         |          |
| 16.2.4  | surname prefix from partner/spouse                 | O    | 0..   | ST   |         |          |
| 16.2.5  | surname from partner/spouse                        | O    | 0..   | ST   |         |          |
| 16.3    | given name                                         | O    | 0..   | ST   |         |          |
| 16.4    | second and further given names or initials thereof | O    | 0..   | ST   |         |          |
| 16.5    | suffix (e.g., JR or III)                           | O    | 0..   | ST   |         |          |
| 16.6    | prefix (e.g., DR)                                  | O    | 0..   | ST   |         |          |
| 16.7    | degree (e.g., MD)                                  | O    | 0..   | IS   | HL70360 |          |
| 16.8    | source table                                       | O    | 0..   | IS   | HL70297 |          |
| 16.9    | assigning authority                                | O    | 0..   | HD   |         |          |
| 16.9.1  | namespace ID                                       | O    | 0..   | IS   | HL70363 |          |
| 16.9.2  | universal ID                                       | O    | 0..   | ST   |         |          |
| 16.9.3  | universal ID type                                  | O    | 0..   | ID   | HL70301 |          |
| 16.10   | name type code                                     | O    | 0..   | ID   | HL70200 |          |
| 16.11   | identifier check digit                             | O    | 0..   | ST   |         |          |
| 16.12   | code identifying the check digit scheme employed   | O    | 0..   | ID   | HL70061 |          |
| 16.13   | identifier type code (IS)                          | O    | 0..   | IS   |         |          |
| 16.14   | assigning facility                                 | O    | 0..   | HD   |         |          |
| 16.14.1 | namespace ID                                       | O    | 0..   | IS   | HL70363 |          |



| Seq.    | Name                            | Opt. | Card. | Type | Table   | Contents                      |
|---------|---------------------------------|------|-------|------|---------|-------------------------------|
| 16.14.2 | universal ID                    | O    | 0..   | ST   |         |                               |
| 16.14.3 | universal ID type               | O    | 0..   | ID   | HL70301 |                               |
| 16.15   | Name Representation code        | O    | 0..   | ID   | HL70465 |                               |
| 16.16   | name context                    | O    | 0..   | CE   | HL70448 |                               |
| 16.16.1 | identifier                      | O    | 0..   | ST   |         |                               |
| 16.16.2 | text                            | O    | 0..   | ST   |         |                               |
| 16.16.3 | name of coding system           | O    | 0..   | IS   | HL70396 |                               |
| 16.16.4 | alternate identifier            | O    | 0..   | ST   |         |                               |
| 16.16.5 | alternate text                  | O    | 0..   | ST   |         |                               |
| 16.16.6 | name of alternate coding system | O    | 0..   | IS   | HL70396 |                               |
| 16.17   | name validity range             | O    | 0..   | DR   |         |                               |
| 16.17.1 | range start date/time           | O    | 0..   | TS   |         |                               |
| 16.17.2 | range end date/time             | O    | 0..   | TS   |         |                               |
| 16.18   | name assembly order             | O    | 0..   | ID   | HL70444 |                               |
| 17      | Diagnosis Classification        | O    | 0..1  | IS   | HL70228 |                               |
| 18      | Confidential Indicator          | O    | 0..1  | ID   | HL70136 |                               |
| 19      | Attestation Date/Time           | O    | 0..1  | TS   |         |                               |
| 19.1    | Date/Time                       | R    | 1..1  | NM   |         | e.g. 20040328134602.1234+0600 |

## 1. Set ID - DG1

## 2. Diagnosis Coding Method

## 3. Diagnosis Code - DG1

## 4. Diagnosis Description

## 5. Diagnosis Date/Time

### 5.1. Date/Time

If EI is configured to send timezone information, datetime format

YYYYMMDD[HHMM[SS]][+/-ZZZZ] is used otherwise YYYYMMDD[HHMM [SS]] is used



## 6. Diagnosis Type

## 7. Major Diagnostic Category

## 8. Diagnostic Related Group

## 9. DRG Approval Indicator

## 10. DRG Grouper Review Code

## 11. Outlier Type

## 12. Outlier Days

## 13. Outlier Cost

## 14. Grouper Version And Type

## 15. Diagnosis Priority

## 16. Diagnosing Clinician

## 17. Diagnosis Classification

## 18. Confidential Indicator

## 19. Attestation Date/Time

### 19.1. Date/Time

YYYYMMDD[HHMM[SS[.SSSS]]][+- ZZZZ]

## **Segment group: OBSERVATION**

- Usage: Required
- Cardinality:1..\*
- Implementation note: Segment that repeats for every report and addenda

## **OBX - Observation/Result**

- Usage: Required
- Cardinality:1..1

| Seq. | Name                   | Opt. | Card. | Type | Table   | Contents |
|------|------------------------|------|-------|------|---------|----------|
| 1    | Set ID - OBX           | O    | 0..1  | SI   |         |          |
| 2    | Value Type             | O    | 0..1  | ID   | HL70125 | e.g. FT  |
| 3    | Observation Identifier | R    | 1..1  | CE   |         |          |
| 3.1  | identifier             | R    | 1..1  | ST   |         |          |
| 3.2  | text                   | O    | 0..   | ST   |         |          |
| 3.3  | name of coding system  | O    | 0..   | IS   | HL70396 |          |
| 3.4  | alternate identifier   | O    | 0..   | ST   |         |          |



| Seq.   | Name                         | Opt. | Card. | Type | Table   | Contents            |
|--------|------------------------------|------|-------|------|---------|---------------------|
| 4      | Observation Sub-Id           | R    | 1..1  | ST   |         |                     |
| 5      | Observation Value            | O    | 0..1  | *    |         |                     |
| 11     | Observation Result Status    | R    | 1..1  | ID   | HL70085 | e.g. F              |
| 14     | Date/Time of the Observation | O    | 0..1  | TS   |         |                     |
| 14.1   | Date/Time                    | R    | 1..1  | NM   |         | e.g. 20080319103922 |
| 16     | Responsible Observer         | O    | 0..1  | XCN  |         |                     |
| 16.1   | ID number (ST)               | O    | 0..   | ST   |         |                     |
| 16.2   | family name                  | O    | 0..   | FN   |         |                     |
| 16.2.1 | surname                      | O    | 0..   | ST   |         |                     |
| 16.3   | given name                   | O    | 0..   | ST   |         |                     |

### 1. Set ID - OBX

The sequence number

### 2. Value Type

Formatted text (FT) for report content

### 3. Observation Identifier

#### 3.1. identifier

For FT: The procedure definition code followed by either '&ADT' for addenda of the report and '&GDT' for every other type or report

#### 3.2. text

For FT: The name of the procedure definition

#### 3.3. name of coding system

fixed value == AGILITY

#### 3.4. alternate identifier

For report: fill with report ID that stays unchanged over the complete reporting life cycle.

### 4. Observation Sub-Id

'BODY' for the OBX-segment containing the original report content and 'ADDENDUM' + '\_suffix' for the OBX-segments containing addendum content. (suffix is the index of addenda starting from 1)

### 5. Observation Value

For FT: the content of the section line

### 11. Observation Result Status

For FT Supported: F (final), P (Preliminary), C (Correction), D (Deleted), I (Dictated), S (Partially validated)

### 14. Date/Time of the Observation

The date of the observation



#### **14.1. Date/Time**

If EI is configured to send timezone information, datetime format  
YYYYMMDD[HHMM[SS]][+ -ZZZZ] is used otherwise YYYYMMDD[HHMM [SS]] is used

#### **16. Responsible Observer**

This segment contains:

In case the OBX-segment contains report content:

- the author when the report is preliminary
- the validator when the report is final
- the latest partial approver when the report is partially validated

In case the OBX-segment contains addendum content:

- the author of this particular addendum content when this addendum is preliminary
- the validator of this particular addendum content when this addendum is final

##### **16.1. ID number (ST)**

The default identifier of the responsible observer

***End of segment group OBSERVATION***

***End of segment group ORDER\_OBSERVATION***

***End of segment group PATIENT\_RESULT***